

**PRESSURE LIMITING AND/OR FLOW REGULATING VALVE FOR USE WITH
POU/POE FILTER SYSTEM**

Abstract

An apparatus comprising a pressure limiting valve for preventing transmission of elevated pressure to components downstream of the apparatus. Preferably, the pressure limiting valve is used in combination with a flow
5 regulating device that maintains a substantially steady flow rate through the apparatus even when subject to a wide range of applied pressure. The apparatus of the present invention is preferably suitable for use with filter systems wherein the pressure limiting valve is placed
10 upstream of filter components that have limited burst and fatigue life capabilities. By isolating the downstream filter components from pressures that are greater than the target pressure range for a given application, the filter components can be designed to operate at much lower
15 pressure, can be produced at a smaller size, and at a reduced cost.